

Supply Chain Management (MS)

This program is offered by the George Herbert Walker School of Business and Technology. It is available online.

Program Description

Supply chain management is the foundation for enterprises to develop and deliver goods and services. This program will provide learnings of the end-to-end supply chain from a global perspective delivered through 10 courses covering multiple supply chain disciplines. Through the use of various learning tools and technology students will gain comprehensive knowledge in the areas of global operations, planning, production, operations management, procurement, inventory management, transportation, warehouse, enabling technology, analytics, project management, lean operations, sustainability, and the opportunity to become SC Pro Level 1 certified through the Council of Supply Chain Management Professionals if the student chooses to take the CSCMP exam after completion of BUSN 6400. Upon graduation, students will be able to apply their learnings cross sector and cross industry, driving business operations and optimization.

Learning Outcomes

- Students can explain fundamental supply chain management concepts, techniques, and practices and how a supply chain interacts with other business areas, both functional and technical.
- Students can use the fundamentals of operations management to effectively design products/services and manufacturing/service systems.
- Students can use the principles of purchasing and supply management to structure and analyze procurement challenges.
- Students can describe the components and decisions in logistics, inventory and warehouse management and can perform analysis.
- Students can apply enabling technology to manage supply chain activities and can apply tools to coordinate and optimize overall supply chain performance.
- Students can identify potential risks in a supply chain and develop mitigation strategies.
- Students can develop an end-to-end value chain strategy in support of the overall business objectives for internal and external customers.
- Students can integrate ESG strategy in a supply chain.
- Students communicate effectively orally and in writing at all levels appropriately.

Program Curriculum

The 30 credit hours required for the master of science (MS) must include the following courses:

- BUSN 5220 Global Supply Chain Management (3 hours)
- BUSN 5400 Supply Chain Planning & Inventory Management (3 hours)
- PROC 5000 Procurement & Acquisitions Management (3 hours)
- BUSN 5410 Transportation Management (3 hours)
- BUSN 5420 Warehouse Management (3 hours)
- BUSN 5970 Supply Chain Data Analytics (3 hours)
- BUSN 6110 Production and Operations Management (3 hours)
- BUSN 6160 Integrated Business Processes and ERP (3 hours)

- BUSN 6400 Integrated Studies in Supply Chain Management (3 hours)

Prerequisites: BUSN 5220, BUSN 5400, BUSN 5410, BUSN 5420, BUSN 6110, BUSN 6160

Plus, choose ONE of the following:

- BUSN 5100 Introduction to Project Management (3 hours)
- MNGT 5670 Managerial Leadership (3 hours)

Admission

See the Admission section of this catalog for general admission requirements. Students interested in applying must submit their application online at www.webster.edu/apply. Transcripts should be sent from your institution electronically to transcripts@webster.edu. If this service is not available, send transcripts to:

Office of Admission
Webster University
470 E. Lockwood Ave.
St. Louis, MO 63119

Additional Requirements

Applicants to the MS in supply chain management must have completed a bachelor's degree or higher in a business discipline in a program accredited by ACBSP (or equivalent). An applicant without such a degree wishing to enroll in this program will be required to first complete BUSN 5000.

Advancement to Candidacy

Students are admitted to their graduate program upon completion of all admission requirements. Students are advanced to candidacy status after successfully completing 12 credit hours with a cumulative GPA of 3.0 or higher. In specialized programs, courses required as prerequisites to the program do not count toward the 12 credit hours required for advancement.